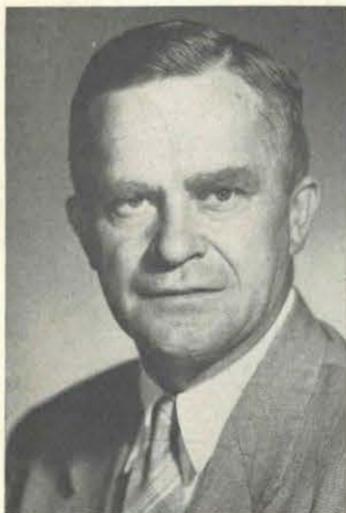


On-Roll Engineers Are Selected for Second TDP



Mr. Eich

N. J. Eich Observes 30 Years Service With Bell Labs

N. J. Eich, supervisor of Electronic Packaging Division 1627, recently marked 30 years with the Bell Telephone Laboratories. He has been on loan to Sandia Corporation since 1953.

Mr. Eich joined the technical staff of the Laboratories in New York in 1930 with the systems development group and later transferred to the apparatus group.

During World War II he worked on the development of sonar, then in 1949 Mr. Eich was one of the pioneers in the field of printed wiring and packaging.

When transferred to Sandia his job was to set up printed circuitry facilities here. He was promoted to division supervisor in September 1955.

Deadlines Set for Educational Aids Program Enrollment

Employees intending to take courses this fall under the Educational Aids Program are reminded that applications must be received by Staff Training and Education Section 3131-2 by Sept. 8 for the College of St. Joseph and by Sept. 15 for the University of New Mexico.

The annual University Night, with counselling and general information available from college officials and faculty members, will be held Sept. 13 at 7:30 p.m. at the Coronado Club.

Further information about the Educational Aids Program may be obtained from W. H. Bailey, ext. 45157.

Sandia Corporation LAB NEWS

ALBUQUERQUE, N. MEX. • LIVERMORE, CALIF.

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AUGUST 19, 1960



SANDIA EMPLOYEES will see red when the new classified document cover sheets and folders are put into use next month. The new red covers, which are at least one half inch larger than standard size paper, present all larger blue, yellow and red cover sheets. As shown above, SECRET and CONFIDENTIAL material will all bear a red

hashmark border on the front cover and red diagonal stripes on the back. TOP SECRET covers will be all red paper with black printing. The SECRET and CONFIDENTIAL protective sheets contained IBM pouches for easy accountability by the secretary and the person who has checked out the document. Covers will be available next week.

Fourteen engineer staff members have been selected from on-roll employees for enrollment in the second year of the Technical Development Program. Final selection was made by President J. P. Molnar, upon recommendations made by the Education Committee, which reviewed all applications. The fourteen will join the TDP Pilot Group, who will also be entering the second year of TDP at the University of New Mexico next month.

A group of seventy new-hire engineers will be starting their two-year TD program next month also.

The fourteen men selected are Eugene A. Aronson, EE (5242); Peter M. Barba, EE (1422); Ralph L. Brown, EE (5523); R. Eugene Church, EE (5313); James K. Cole, EE (1322); W. Daril Gutscher, EE (5221); Richard D. Hoagland, ME (1282); Sam L. Jeffers, ME (1218); James L. Krone, EE (5232); Arthur C. Littleford, EE (5313); Frank W. Muller, EE (1443); Allen V. Robnett, EE (1411); William M. Sigmon, Jr., ME (1612); and Jose E. Suazo, ME (5143).

In addition to being above average in their work performance at Sandia Laboratory, all of the above have completed at least 18 hours of graduate work at the University of New Mexico, or elsewhere, and with better than a "B" average.

The purpose of the Technical Development Program is to provide specialized training in an accelerated program of graduate study to help meet future technical requirements of the Corporation.

Because the technical activity of the Corporation is mainly in mechanical and electrical fields, TDP is directed toward those fields.

AEC Seeks Bids to Build Classrooms In Building 892

The Atomic Energy Commission has invited contractors to bid on an additional modification of the northeast high bay area of Bldg. 892.

The space will be converted into classrooms and a display area for Weaponry Training Department 5310.

Bids will be opened on Sept. 2. Murl Moore (4543-3) is the Plant Engineering Department project engineer.

Adopt Striped Tape Method to Mark Old Classified Documents



SHOWING HOW red and white pressure sensitive tape can be used to signify classified documents is Bernice Umland (2543), who conceived the idea for the unusual marking tape. The red and white tape is available from General Stores Division 4613.

When Bernice Umland, a chartist in 2543, received a security infraction for a document which had been left out overnight, she decided to do something about it before it happened again.

The document, in a plain folder with the cover sheet removed, had been overlooked and placed in a basket of unclassified material.

At first, Bernice cut off the brightly-colored stripes from classified cover sheets and pasted them diagonally on folders so they would be eye-catching in a routine scanning of papers.

"Then I became lazy," Bernice said, "and thought there must be an easier way." That's when she came up with the idea of using striped tape. She discussed her suggestion with her supervisor who talked about it to Security Operations and Information Division, 3231.

With Security's approval, the striped tape idea was then presented to Business Methods and it was adopted. General Stores Division 4613, stocks the red and white tape and it is available to all employees who would like to use it.

Housing Maintenance Group Presents New Mexico Boys' Ranch With \$280

Housing Maintenance Division 4518 was dissolved recently when the military assumed administration and maintenance of the AEC housing area.

This presented employees in the division with a problem. Through the years they had accumulated \$280 in a general fund which was used for emergencies, gifts, flowers and other purposes. Since the division was being split and relocated, they couldn't buy farewell gifts for

everyone.

After much discussion they decided to donate the money to the New Mexico Boys' Ranch. The check for \$280 was presented to Carl Brogan, secretary of the Boys' Ranch, following a luncheon at the Coronado Club. Those attending were employees of Division 4518, R. E. Hopper (4500), J. C. Hart (4510), John Timmons, Fred Romero and Maxine Goddard (all 3122-2).



HAROLD NEUHAUS (right), representing Division 4518, presents a check for \$280 to Carl Brogan (center), secretary of the Boys' Ranch, while Jack Hart, manager of Department 4510, looks on.

Who Is Nikita S. Khrushchev ?

(From the San Diego Union, June 20, 1960.)

Who is Nikita S. Khrushchev, the man who wants to sit down and talk peace with the free world, the man who demands apologies from the West for affronts to his sensitivities? Let the record of his deeds tell who he is.

Let us examine this man who sent his own wife to a concentration camp and directed the murder of Josef Stalin's wife.

When Khrushchev was in the United States last fall Americans saw flashes of his monstrous temper, his grotesque figures of speech, his preoccupation with death, his appetite for violence. Then at the Paris summit meeting, his veil of pretense for peace and understanding was ripped off, and he stood revealed full face.

The real Khrushchev was known long before. The files of the House Committee on Un-American Activities are crammed full of the testimony of those who were eye-witnesses to his rise to power in Russia. They began their account with the year 1930 when Khrushchev was trying to prove to Josef Stalin his fitness to become a member of the Central Committee. His proving ground was the Ukraine, where:

1. He bossed a genocide that took an estimated six to seven million lives.

2. He personally engineered the systematic starvation of millions of Ukrainians.

3. He participated in the slaughter of 80 per cent of the Ukraine's intellectuals, directed the secret police murder of 400,000 political foes.

4. He organized man-made famines in 1938.

5. He uprooted the Catholic Church in the Ukraine, erased 4,400 churches, and closed 127 monasteries. Today the church does not exist in the Ukraine.

The committee's witnesses testified that Stalin rewarded Khrushchev with important posts for his skill in eliminating enemies of the state. By 1944, according to the transcript, Khrushchev was dispatched to the Ukraine again to deal with a resistance movement. The survivors report that at his order the secret police:

"Cut into the skin and tore the skin off living bodies."

"They also nailed people on the crosses. They cut out eyes, broke bones in legs and arms and extracted nails."

One witness before the committee said mass graves opened after a Khrushchev-directed purge revealed 9,449 maimed and mutilated bodies.

As premier of all the Russians, Khrushchev was confronted in 1956 with a Hungarian freedom uprising, the first to contest his authority. His reaction was similar to his performance in the Ukraine:

1. 30,000 Hungarians were killed during and after the revolt.

2. He ordered the deportation of 12,000 persons to the Soviet Union.

3. He imprisoned hundreds of thousands in Hungary.

4. He confined 15,000 to slave labor camps.

Thus, as he has proved himself to Stalin, he now proved to his fellow Communists that he was as tough as Stalin.

What has he in mind for the United States? A speech he made in Warsaw in 1955 gives some insight:

"We must realize that we cannot coexist eternally, for a long time. One of us must go to his grave. They (the Americans and the West) do not want to go to their grave, either. What can be done? We must push them to their grave."

This is Nikita S. Khrushchev, by word and deed.

Jim Winchell Sells His Home Town As 'Hub' of Nation's Vacationland

This is another in a series of articles describing the community activities of Sandia employees.

Promoting Albuquerque as a tourist attraction is one of the main hobbies of Jim Winchell (1612) who is a member of the Albuquerque Chamber of Commerce Tourist Committee.

One of the big projects of the committee for seven years has been the improvement of the Sandia Crest road. Tomorrow, Jim will be present when the dedication ceremony for the road and parking facilities will be held. The committee's main job, of course, is selling Albuquerque to tourists.

"I feel that Albuquerque should be promoted as the 'hub' of vacationland, or an operations center where a vacationing family could daily tour the adjacent and varied attractions in New Mexico," he says.

To give an idea of the many attractions, Jim listed nine national monuments, a national park, nine winter sports areas, 18 Indian pueblos and 17 state parks and monuments.

"New Mexico also contains more ruins than any other comparable-sized area in the world," Jim pointed out. "The valleys of the Nile, Tigris and Euphrates, or the Island of Crete, all regarded as the birthplaces of civilization, do not yield pre-historic habitation sites so abundantly as New Mexico." He cited the Sandia man as an example of life in New Mexico more than 23,000 years ago.

Jim brought out an interesting point about missions, also. He said that although California is usually regarded as the home of Spanish missions, New Mexico already had 47 missions (40 in daily use and seven abandoned) when construction was started in 1769 on California's first mission in San



USING AN ELECTRICALLY wired map, approximately nine ft. high, Jim lectures about New Mexico and lights up the geographical locations as he mentions them during the talk.

Diego.

Jim owns the Indian Arts and New Mexico Minerals business at 11015 Central Ave. NE, which is the official Chamber of Commerce travel information center. As a public service, he lectures hourly about history, archeology, ethnology, trails of the Conquistadores, Indian arts and crafts, and many other facets of New Mexico.

In addition, he shows two movies twice daily—"The Turquoise Trail" and "The Sandia Story." These programs are for Albuquerque residents and any interested organizations as well as tourists," Jim said. All of the talks and movies are free and are offered seven days a week.

Jim has worked nights at Sandia for five years in Test Laboratory Department 1610. He also has been attending the University of New Mexico full and part-time for five years working toward two degrees, geology and archeology.

Weddings and Engagements

Marriage vows were exchanged Aug. 11 at Central Methodist Church by Marian Marks and Joe Deveney. After a honeymoon in

double ring evening ceremony performed in St. Mark's on the Mesa Church.

The couple took a short wed-



Mrs. Deveney



Miss Sanchez

Colorado, the couple will be at home at 1511 Anderson Pl. SE.

Marian has been at Sandia in Division 3153 since June. Joe (1633) has worked here three years.

The engagement of Loye McCutcheon, daughter of James McCutcheon (1322), to Harry C. Hardee, Jr. (5224) has been announced with the wedding date set for Sept. 3. The couple will then return to the University of Texas where Loye is working on her BA degree and Harry will receive his MS degree in February.

Harry has been a summer hire at the Corporation for four years.

Judy Dodd (summer hire assigned to Division 4113) and Larry Glass were married Aug. 5 in a

ding trip to northern New Mexico. Both are students at the University of New Mexico.

An early November wedding is planned by Lillie Mae Sanchez (4423) and Phillip J. Mayer.

Lillie Mae has been with Sandia Corporation since January 1957.

Steve Corder Wins Sandia Golf Tourney At Livermore Lab

Trophy winner for the Sandia Milpitas golf tournament held recently was Steve Corder (8224-2), whose low net score of 64 won him first place. Other Sandians who placed were Dave Hurley (8231) and Roy Maxwell (8225) each with a score of 68.

Women Bowlers Wanted

Women interested in bowling in the Jewelette League, which meets on Tuesday nights at the Coronado Club, are asked to contact Mina Carnicom (3311), ext. 21247, or Diane Martin (5132), ext. 27155. An organizational meeting will be held later this month.

Endurance Bowling

Lorraine George (8211-4) won a women's 10 game endurance bowling tournament recently in Livermore.

Her score for the session was 1994, in which she also achieved high game score with a 204.

A total of 30 women participated in the event. Lorraine took first place after winning a playoff game by two pins.

New Homes

Abe Bertholomey (4253-2) has moved into a new home at 7315 Trumbull SE.

It was moving day recently in Livermore for Dick Holt (8141-1), now settled at 722 Via Granada.

F. E. Mitchell (4131) and his family have moved into their new home at 11001 Cordova NE.

Congratulations

Born to:

Mr. and Mrs. Marlin Frettem (1313) a son, Randall Allan, on Aug. 3.

Mr. and Mrs. J. A. Dooley (5244) a daughter, Cherree Lynn, on July 30.

Mr. and Mrs. John A. Christopher (4622) a daughter, Susan, on Aug. 7.

Mr. and Mrs. B. C. Benjamin (5241) a daughter, Katrina Mary, on Aug. 8.

Mr. and Mrs. James A. Allensworth (5242) a son, James Elias Francis, on Aug. 4.

Mr. and Mrs. A. E. Willett (4321) a son, Charlie Allan, on Aug. 6.

Mr. and Mrs. Robert Strout (8223-4) a son, Stephen Allan, on July 27.

Mr. and Mrs. Ira D. McKinney (5133) a son, Alan Douglas, on Aug. 6. The baby arrived on Mrs. McKinney's birthday.

Welcome Newcomers

Aug. 1-12

Albuquerque	
Marie G. Alarid	3461
C. June Bass	3461
*Frank O. Lane, Jr.	5242
Oklahoma	
Merle K. Burkhardt, Stillwater	1245
Joel S. Gilbert, Stillwater	2531
* Denotes rehired	



Nancy Ness (3126/4612)

Take a Memo, Please

ALL ACCIDENTAL injuries have the same thing in common—they hurt. Protect yourself from possible hazards whether on the job, at home or while driving.

Welcome Back

Organization 4212 welcomes Larry Garcia back to work after an extended illness.

Best Wishes

Best wishes are extended to Dale Anderson (8232-4), who exchanged wedding vows with Bernice Brastrom on Aug. 13 at Isle, Minn. Dale has been employed at Livermore Laboratory since Jan. 14, 1959.

Politicking

Spectators at last month's Democratic convention in Los Angeles included J. J. Weber (5133) and his wife Betty.

Get Well Wishes

Get well wishes are sent to Fred Buttrey (4221-1), who is recovering from surgery, and Harold Burrell (4224-3) and Lorenzo Duran (4221-3), both of whom are recovering from extended illnesses.

New Son

Jose Llamas (5224) and his wife Pilar (formerly 4344) have a new son born July 9. The baby has been named Jose, Jr.

Family Bowlers

The Schroeders of Sandia are two families to reckon with when it comes to bowling.

Gene (1432) and his wife Betty and Chris (1621) and his wife Jeannie teamed up to win second place in the recent Sandia Lab Mixed Bowling League, Section "B." The Schroeder team won 28 games and lost 16.

Wedding Bells

Congratulations go to Frank E. Chavez (4152-2) on his recent marriage to Ruth Alarid at St. Francis Xavier Church. After a honeymoon in Las Vegas, Nev., the couple will return to Albuquerque where Ruth teaches at East San Jose School.

Bowling Team Needed

Bowlers are needed for one five-man squad in the Coronado Club Friday Night Indian League. The league operates on an 80 per cent handicap basis and team averages are not fixed.

Any interested team or individuals, who are members of the Club, should contact G. D. Horne, Jr. (3452), ext. 44168, or R. H. Marmon (2721), ext. 25150.

Get Well

Wishes for a speedy recovery are extended to Bernice Beeson (3321-1) who is convalescing following recent surgery. She is in Presbyterian Hospital.

Division 1247 wishes a speedy recovery to Pat Goetsche who is convalescing following recent surgery.

Delta Sigma Pi

Alumni of Delta Sigma Pi, national honorary business fraternity have been requested by actives at UNM to contact Wendell Armstrong, AX 9-1853, or Emory Postenrieder (3466).

Sympathy

To Claire Haut (5513-3) and E. J. Haut (2644) for the death of their mother.

To Edith Miller (3423-5) for the death of her mother in Albuquerque July 29.

To Mary Hazel Bailey (3423-2) for the death of her mother-in-law in La Plata, Mo., Aug. 2.

To John A. Garcia (4224-3) for the death of his brother in Houston on July 28.

Sandia Corporation

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ALBUQUERQUE, N. MEX. • LIVERMORE, CALIF.

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Summer Employees Are Sandia Veterans

Charles Stoneking Working His Fifth Summer at Sandia

Sandia Corporation, friends and trout fishing are things that keep Charles Stoneking coming back to Albuquerque summer after summer—five to be exact.

His first day at Sandia in 1956 Charles had to climb the 300 ft. drop tower in Tech Area III to make a stress analysis study. He's now on loan to Project Division 1613, his original organization, and again doing stress analysis and design work but during the intervening summers Charles has been assigned to Nuclear Facilities and Operations Division 1613. There his job was helping design the reactor pressure vessel for the Sandia Engineering Reactor Facility (SERF).

Charles holds a number of degrees: a PhD in applied mechanics from Kansas State University; MS in education from the University of Cincinnati; BS in civil engineering from the University of Toledo and an AB degree from Denison University.

He was an associate professor of engineering mechanics at the University of New Mexico for sev-



Charles Stoneking

en years and for the past four years has been a professor of engineering mechanics and a research associate at Georgia Institute of Technology.

As for that trout fishing, Charles isn't in town these week-ends. He's in northern New Mexico casting on some lake or stream.

Harry C. Hardee Veteran of Four Summers at Sandia

Among the temporary summer hires who come to Sandia Corporation every year from schools throughout the country, Harry C. Hardee, Jr., has become a familiar figure.

This makes the fourth consecutive summer that Harry has worked here. Right now he is helping out on different projects in Mechanical Design Division 1322.

"I first became interested in Sandia Corporation after seeing an ad in a scientific magazine," Harry said. "I worked one summer at Oak Ridge so was familiar with the type of work carried on here."

The first summer Harry met James McCutcheon (1322) and next month he will be marrying Jim's daughter Loye.

At the University of Texas, Harry, who is 22, has received his BS in mechanical engineering and in February will be awarded his MS in the same field. He



Harry Hardee

hopes to work toward his PhD degree after that.

Harry has proved to be a good booster of Sandia Corporation on campus. His roommate, Phil Stanton (1310) is from the University of Texas and another college acquaintance is Anthony Bedford (5142).

Coronado Club Dance Instruction Series to Begin

Basic and advanced dance instruction classes for Coronado Club members will begin in the ballroom on Tuesday, Sept. 6. Beginners will start at 7 p.m. and advanced students will meet at 8:30.

Charles (3452) and Holly (4131) Balistrere will teach Latin dancing and Gail (3463) and Jennifer Ward will instruct American dancing. Both types will be offered in each class.

Cost is \$6 per person for the 10-week course. Registration will be held on Sept. 6.

Livermore Laboratory Horseshoe Tourney Begins Sept. 19

A singles horseshoe tournament will be sponsored by Livermore Employee Services (8212-2) beginning Sept. 19 with a department trophy going to the winning department player, and individual trophies to first and second place winners.

Interested players may contact Jack Bonetti, ext. 2254, for additional information or to sign up for the contest.

New Communications Era Opens with Message by President Transmitted Coast-to-Coast Via Satellite

A new era in communications was opened last week as a taped message by President Eisenhower was sent coast-to-coast via an artificial earth satellite.

The first words—This is President Eisenhower speaking—were received at a Bell Telephone Laboratories installation atop Crawford Hill, Holmdel, N. J.

The message was transmitted from the Jet Propulsion Laboratory in Goldstone, Calif.

The President's message was part of the Project Echo experiments now being conducted by the National Aeronautics and Space Administration, Bell Tele-

phone Laboratories and the Jet Propulsion Laboratory.

To transmit the President's message, Jet Propulsion Laboratory scientists beamed microwave signals at a 100-ft. diameter sphere which had been placed into orbit earlier from Cape Canaveral, Fla. The aluminum-coated sphere, 1000 miles above the earth, reflected the signals and they were received at Bell Laboratories by a horn-reflector antenna system designed especially for the space communication experiments.

In his message, the President noted the experiment as one more

significant step in the United States program of space exploration. He pointed out that it was being carried out for peaceful purposes for the benefit of all mankind. The satellite balloon which has reflected these words may be used freely by any nation for similar experiments in its own interest.

The reception was of very high quality. Although the antennas lost track of the balloon for a short time, the message was successfully received several times during the 15 minutes the balloon was in line of sight of both stations.

The first indication of success came when an unmodulated signal from Jet Propulsion Laboratory was first picked up at Holmdel.

The successful transmission of the President's message took the world one step nearer the day when transoceanic telephone calls and live television programs might be transmitted via satellite.

The experiment actually began when a sleek delta rocket rose from the launching pad at Cape Canaveral and streaked into the morning sky.

Under the direction of the Bell Laboratories command guidance system, the rocket reached orbital altitude and released its payload, a 26½ inch diameter magnesium container.

About two minutes after the payload was put into orbit, the container was split open by an explosive charge, and the sphere inflated. Inflation was caused by the small amount of residual air left inside the balloon and by 30 pounds of sublimating powders.

The 100-ft. sphere is made of a plastic film, about one half the thickness of the cellophane on a cigarette package. Two wafer-like tracking beacons—each weighing 11 ounces—are attached to the sphere. The satellite's shell is coated with vapor-deposited

aluminum to provide high reflectivity.

Using both radar and predicted orbit data, Bell scientists located the balloon as it sped across the sky at 16,000 miles an hour. They aimed the horn-reflector receiving antenna directly at the orbiting sphere and received the JPL signal. JPL transmitted on a frequency of 2390 megacycles per second.

The successful communication occurred as the sphere cut diagonally across the North American continent—from northwest to southeast—on its first pass around the earth. Orbiting time of the sphere is about two hours.

Scientists predict that the sphere will remain physically usable as a reflector for at least a week, time enough for them to gain much valuable space communication data.

The Project Echo experiments in the Project Echo continue as long as the satellite continues to orbit the earth. Communications between the East and West coasts are not possible on every orbit, however, since the satellite must be within line of sight of both stations simultaneously in order to complete a transmission. The experiments are aimed at determining the technical feasibility of commercial overseas communications by way of reflecting, or passive, satellites.

Scientists of Bell Laboratories have also been investigating another possibility—active satellites, which would carry electronic equipment to receive radio signals and send them back to earth. Engineers are developing the rugged, long-life electronic devices and power supplies that would be necessary for a commercially feasible active satellite.

Security is Serious Business; Wear Your Badge This Way

The only way to wear your Tech Area badge is the proper way. SCI 2730 states: "An employee wears his badge on his outer clothing on the upper part of his body whenever he is in a technical or exclusion area."

It is the duty of every employee to challenge any person in the Tech Area who is not wearing a badge. Security is serious business and it's a vital part of every Sandia employee's job.

CORRECT wearing of the badge is demonstrated at right by Bill Crawford (3462). A straightforward type, Bill goes by the rules. The badge is in plain view on the upper part of the body. Always challenge anybody not wearing a badge in Laboratory Tech Areas.



Not This Way . . .

MAN OF DISTINCTION Jim Pennington (3462) prefers the debonair approach. Although this draws attention to the time of day, it doesn't help Jim be identified inside the Tech Area.



Not This Way . . .

PRETTY CLASSY—This might become a nationwide fad, however Elaine Urbanski (3461-2) is not convinced that wearing the badge as an earring is fashionable. It's out of balance, too.



Not This Way . . .

PEEK-A-BOO. Oscar Goodwin (3462) plays coy with the badge worn inside his lapel. Strictly against the rules. Wear it outside on the upper part of the shirt or coat and in plain view.



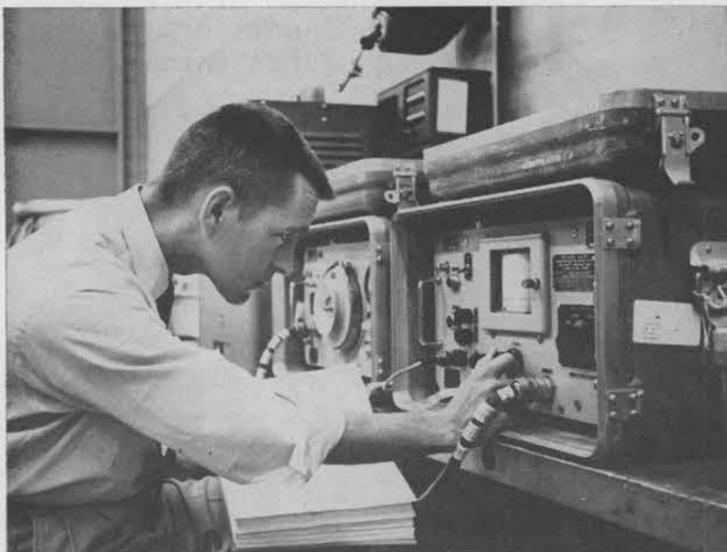
Not This Way . . .

THINKING MAN Dave Tafoya (3462) is geared for convenience. Still, the badge so casually placed in the shirt pocket is not doing the job. Might get lost and that lets you in for trouble.

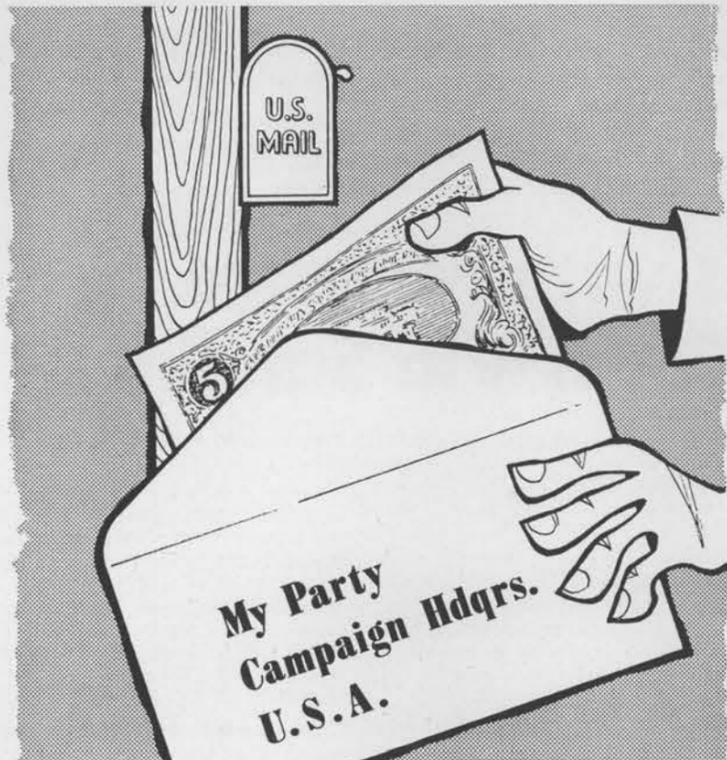
Elect New Officers for Sandia Bridge League

New officers of the Sandia Duplicate Bridge League are Phil Arnold (3453), president; Dick Othmer (1282), vice president; Jim Hann (2632), secretary; Darrell Breehl (2542), treasurer; George Arnot (1422), director of play, and Walt Howerton, (5234), unit representative, American Contract Bridge League.

The group meets on Monday night from 6:30 to 9 in the Coronado Club ballroom. New members are welcome.



CHECKING TEST EQUIPMENT, Jerry Shelton (5311) reviews the instrument's performance with the instructional manual prior to performance evaluation by a Joint Task Group.



Wanted: The Ballot and the Buck Democracy's Election Time Need

The ballot—that powerful scrap of paper which once again is about to make or break a host of political careers—has a silent partner too often overlooked at election time: the buck. Few, if any, of the candidates for the 800,000 elective offices at stake in America's 1960 elections can compete with rival candidates and woo the voters' favor without conducting a political campaign.

And campaigns cost. For example, an estimated \$155 million was spent on the 1956 elections at all governmental levels; this year's bill could reach as high as \$200 million. It takes \$100,000 just to cover the bare-bones costs of a single half-hour network TV presentation. Political organizations large and small need cash to pay researchers and fund-raisers, buy publicity and promotional materials, provide election-day baby sitting and transportation, and cover the cost of rallies, travel expenses, headquarters rentals and innumerable other campaign necessities.

Money Source

Where does the money come from? Virtually all corporations and labor unions are restricted on the matter of making contributions or expenditures in connection with elections, so the responsibility of footing the campaign bills devolves almost entirely on individuals who care enough to put their bucks where their ballots are. Yet in 1952's elections, only one voter in thirty did so and most of these gifts were small. The risks of political preferment and corruption where candidates and parties must depend heavily on a relatively few "big givers" are obvious. The broader the base of financial support on which each campaign rests, the more wholesome the post-election situation will be.

What happens to a buck thus

contributed? Most of it stays within the "war chest" to which you send it; a small portion will usually filter up to the next higher party level, but seldom does any filter down to the next lower, except in the form of materials and services. In other words, if you send \$10 to your party's county committee or a candidate for county office, the state organization may see a few dimes of it but your town organization will probably get none.

Send Bucks Where?

Where, then, should you send your bucks? From the above, it follows that your political contributions should go where your own interests are greatest. If you're primarily concerned with seeing "your man" elected mayor of your town, then your money should go mainly into his campaign coffers; if you're chiefly interested in helping your party (or a specific candidate) at the congressional or presidential level, then that's where your dollars should be aimed.

The addresses of local, county and state committees may often be found by consulting the party organizations listed in your phone book.

The addresses of the two major national committees are:
Democratic National Committee
1001 Connecticut Avenue, N.W.
Washington 6, D. C.
Republican National Committee
1625 I Street, N.W.
Washington 6, D.C.

And, of course, you can send your contributions direct to the candidates themselves, if you wish.

Campaign expenses are only one of the prices we pay for the kind of democratic government we enjoy. Your buck, like your ballot, is a measure of your political sincerity—and an investment in democracy.



SPARE PARTS PROVISIONING for weapons and associated equipment begins while the system is still in design stage. R. E. "Tex" Irvin (left), Dick Prokash and Jarvis Bumgarner study preliminary drawings to begin planning for spare parts ordering. Planning and ordering are done in advance.

Seek Satisfied Customers

Joint Task Group Division Helps Make Weapons Usable

Sandia's prime responsibility is to design and develop strategic and tactical weapons around the nuclear systems conceived by other AEC laboratories. It is also Sandia's responsibility to be sure that these weapons are usable by the military.

To be usable they must be easily transported, maintained, stored, prepared and delivered. To help assure that they are just that is the task of Sandia's Joint Task Group Division 5311 headed by James R. Holpp.

"A Joint Task Group operation gives the military an opportunity to look at a complete weapon system under simulated field conditions prior to production," says Jim.

The Joint Task Group Division works with military personnel drawn from units which will work with the weapons and with the responsible Sandia development organization. Logically called "JTG's" this task group gives each weapon a "long, hard look." Using prototype models and materials, as well as Preliminary Instruction Pamphlets prepared by Sandia's Military Publications Department 5320, the JTG becomes intimately acquainted with the entire weapon system being subjected to study.

Seek Best Methods

"The JTG becomes familiar with assembly, testing, storage, maintenance and transport," says Jim, "and looks for the most logical and simplest methods of use compatible with military requirements."

Prior to the scheduled production date for a weapon, the military element of the JTG comes up with suggestions and recommendations aimed at attaining the highest efficiency possible in weapon utilization.

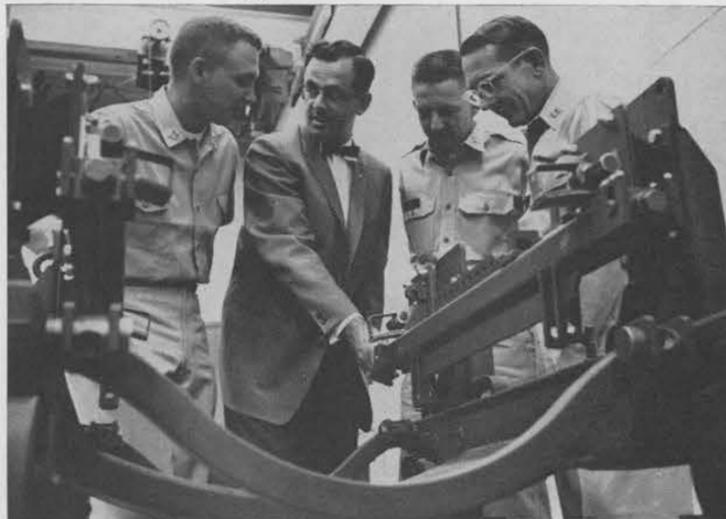
These recommendations are reviewed by the Sandia engineering group which designed the weapon so that they may be considered for integration into the final product. Suggestions are also considered by the manual writers in 5320 for incorporation in the manuals to be used by military personnel.

Four men, W. G. Grisham, J. K. Green, G. C. Shelton, and R. W. Vivian, arrange for JTG operations and provide continuous liaison between the military element of the task group and Sandia Corporation, other AEC contractors and the AEC.

Satisfactory Product

Object of JTG operation is to assist in the eventual delivery of an entirely satisfactory product to the customer—the military.

In effect, customer satisfaction



JOINT TASK GROUP coordinator Dick Vivian (5311), second from left, reviews weapon handling equipment with military representatives of the JTG. The team will study and evaluate all aspects of the weapon from an operational point of view.

is more likely to be achieved when the military has had an opportunity to work with pre-production models of weapons "on approval." They have had an opportunity to recommend modifications and procedures are adopted they result in producing the desired product.

Technological advances sometimes dictate revisions to weapons already in stockpile. These changes, called "retrofits," are given a similar operational review by a Corporation Task Group that the JTG gives the weapon originally. This operation is held prior to publication of the retrofit order and delivery of retrofit material to the field.

Personnel from the Military Liaison, Development, and Manufacturing Development organizations study the weapon changes called for in the retrofit order. Step by step they analyze the procedures, tools and retrofit kit to determine if each is adequate for the job.

This final technical operational review provides added assurance that upon receipt of the retrofit material in the field, military personnel will be able to perform the modification quickly and well.

Right Place, Time

"Retrofit programs and retrofit kits would be useless if they did not get to the right people in the right quantity at the right time," says W. R. Sims, who is Retrofit Material coordinator for Division 5311. His job is to schedule delivery of the kits to the military. This information comes from Sandia Manufacturing Development and Programming organizations,

military agencies and the AEC. His program coordinates the actions of all agencies in regard to the kits.

Sandia Corporation also has the responsibility of seeing that spare parts for weapons are available. This is the function of the Joint Task Group Division's Spare Parts Section 5311-1 headed by H. B. Evans, Jr. Men in this Section are required to have an intimate knowledge of every component of a weapons system. They also have to know the military maintenance, repair and testing that will be performed on it.

No Guessing Matter

Knowing what parts will be needed and in what quantity is not a matter of guessing. The Section has long experience to draw on. Success of their mission is proven when spare parts for all weapons are available in sufficient quantity. On the other hand, they know that an oversupply of spare parts is a waste of money.

Another responsibility of 5311 is the publication of Special and Commercial Equipment Lists which precede weapons into the field. These lists itemize required test and handling equipment, giving part numbers, descriptions, cost and availability information. From these lists the military knows what equipment is needed to handle a weapon.

"The entire idea behind our operation," division supervisor Holpp concludes, "is to assist in the delivery of a completely operational weapon system to the military. What we want are satisfied customers."

Sandia's Plant Engineering Is Keeping Eagle Eye on Laboratory Pressure Tanks

A 210 lb. man of normal proportions squeezing into a 12" x 16" manhole sounds like a circus act, but for Frank L. Lucas it is part of his daily job.

Frank is an inspector making twice yearly examinations of all boilers, air tanks, and other vessels operating under pressure at Sandia Laboratory.

Corporation regulations call for a joint inspection every six months by an inspector from an outside agency and a representative of Plant Engineering Department 4540 of all pressure vessels of more than five cu. ft. capacity, all boilers and all hot water heaters and storage tanks of at least 120 gal. capacity. Plant Engineering is also charged with initial approval of design of such vessels, setting up safe operating procedures, approving changes and installations. Operation, maintenance and repairs are accomplished by Plant Maintenance Department 4510.

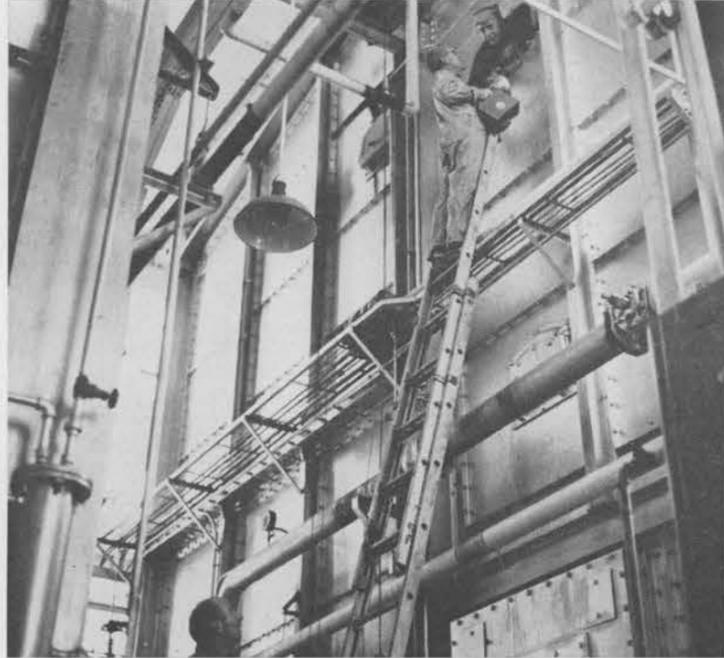
When Frank made his inspection this summer he was accompanied by Carl C. Whitcomb (4543). The tour included about 200 containers and required seven working days.

The inspection includes looking for any evidence of corrosion, scaling conditions, plugged lines or general deterioration. Gauges examined include low water cut-offs, gauges to regulate the feed-

ing of water safety valves, and blow off piping.

"A 30-gallon hot water heater operating under normal pressure, such as those used in many homes, has the explosive power of

two and a half pounds of nitroglycerin. A faulty heater can completely destroy a home. That's why it is so important to regularly inspect any type of pressure tank, no matter how small," Carl noted.



SMALL MANHOLE and two-story drop to bottom of steam boiler takes Frank Lucas' inspection job out of the routine category. Carl Whitcomb (4543) (on ladder) helps with the once-every-six-months check of pressure tanks. All Sandia tanks are inspected.



"HAMMER AND FLASHLIGHT are badges of my profession," according to Frank Lucas, boiler inspector. Here he is examining the inside of a large

boiler in Sandia's steam plant Bldg. 605. Carl Whitcomb (4543) peeks in from the end opening to observe how the work is progressing inside.

Tech Art Travelers to See Sights In Lands Beyond Pacific, Atlantic

The travel bug has hit the Technical Art Division hard! Mention vacations and Helen Batchelor will put out travel folders of exotic places in the Pacific while summer hires Janet Jenkins and Kathleen Gilbert will start talking about Europe.

Helen and a friend from San Francisco will sail Dec. 6 on the SS President Wilson on a six week cruise which will take them to Hawaii, Manila, Yokohama, Kobe, and Hong Kong. With their ship serving as a hotel, Helen and the others will spend several days at each stop. Christmas and New Year's Eve will find the ship on high seas, but Helen reports that special parties are planned for both holidays. This is the first time Helen has been abroad

although on other vacations she has been in every state in the union.

Janet and Kathleen are June graduates of the University of New Mexico with degrees in Fine Arts. They are counting on their summer employment with Sandia Corporation to help finance a trip to Europe. They will sail Nov. 9 on the SS United States with a month in the British Isles first on their itinerary. France will be the next stop and from there they plan to travel extensively elsewhere on the Continent. They hope to stay in Europe about six months and study design and art there. Janet is from Roswell and Kathleen from Albuquerque.

All three women are technical illustrators in organization 3463-2.

Club Members Go Hawaiian Tomorrow With Luau, Dancers, Island's Food

Coronado's Club's big event for this month will be a "Hawaiian Night" tomorrow from 6 p.m. to 1.

A Luau will be served from 6 to 8 on the patio. Hawaiian dancers accompanied by a Hawaiian combo will entertain at 8:30 followed by dancing from 9 to 1 with Tommy Kelly's band.

The Luau will feature Hawaiian-style barbecued spare ribs,

baked salmon, chuck wagon roast beef and a Hawaiian fresh fruit bowl.

Cost for the evening is \$2.60 for members, \$3.60 for guests.

Leigh Sprague will play for the Saturday Night dance on Aug. 27 from 9 to 1. Admission fee is 50 cents for members, \$1 for guests.

Music for dancing is on the agenda for social hours today and next Friday, Aug. 26, from 4:45 to 6:15. Lloyd Pond will play tonight, and George Davies is scheduled next Friday. Following social hours a \$1.60 buffet is served from 6 to 7:30 p.m.

"Comin' Round the Mountain" will be the movie shown on Family Night, Sunday, Aug. 28. Free cokes and popcorn will be served during the movie which starts at 6.

BTL Scientist to Discuss Report on Nike-Zeus System

"The Nike-Zeus System" will be discussed by D. P. Ling, Bell Telephone Laboratories, at a Research Colloquium on Wednesday, Aug. 24, at 9:30 a.m.

Tickets are required for this meeting which will be held in Bldg. 815. For further information contact Craig C. Hudson (5113), ext. 32267, Colloquium chairman.

Notify Post Office of Address Change if You Are Moving

Sandia employees who have moved recently or plan to move soon are requested by the Post Office to fill out and sign Form 3575, "Change of Address," and leave it at the Post Office. These forms may be obtained from any Post Office, postman, or at Sandia from Roseanne Bascom (3122), ext. 26149.

Second class mail (magazines), will be forwarded to new addresses up to 90 days, and then it will be returned to the sender if the old address remains on the mail. Forms for changing addresses for second class mailings are also available from the above three places.

The Post Office cannot honor any notice for a forwarding address unless the change is on Form 3575.

Scientific Advisory Committee on Ballistic Missiles Meets at Sandia

The Scientific Advisory Committee on Ballistic Missiles of the Department of Defense met at Sandia Laboratory Aug. 11. R. W. Henderson, Vice President, Development 1000, is a member of the committee. Additional meetings of the committee were held at Los Alamos Scientific Laboratory Aug.

10 and Livermore Radiation Laboratory Aug. 12.

In this series of meetings the committee had a concentrated review of the nuclear ordnance program as related to ballistic missiles.

Meeting every other month, the group also deals with matters of guidance, control, and propulsion of missiles, and evaluates the merits of missile programs and makes recommendations to the Department of Defense for future development.

Other members of the committee are:

Clark B. Millikan (Chairman), California Institute of Technology; H. Julian Allen, National Aeronautics and Space Administration; Hendrik W. Bode, Bell Telephone Laboratories; Harold Brown, Lawrence Radiation Laboratory.

John Dunning, Columbia University; Darol K. Froman, Los Alamos Scientific Laboratory; William B. Graham, Rand Corporation; Charles C. Lauritsen, California Institute of Technology.

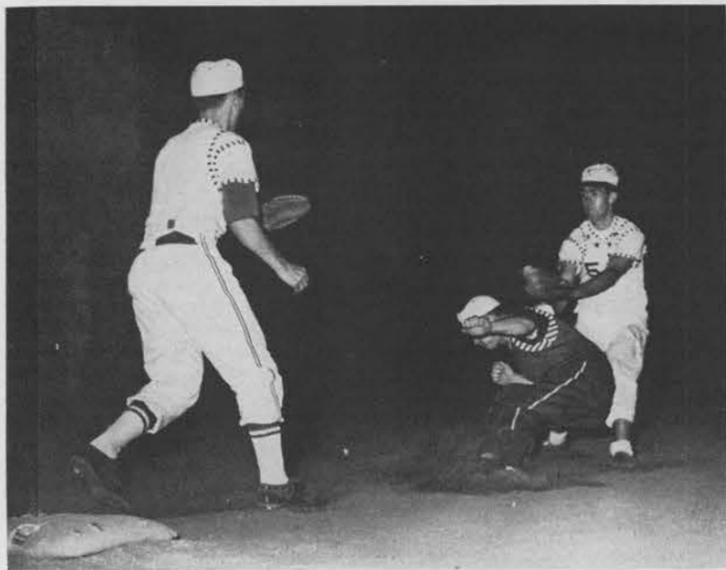
Franklin A. Long, Cornell University; Carl F. S. Overhage, Lincoln Laboratories; J. Barkley Rosser, Princeton University; Carroll L. Zimmerman, Office of Vice Chief of Staff, USAF.

Robert R. McMath, University of Michigan; Carl A. Covington (Executive Secretary), Office of the Director of Defense Research and Engineering.

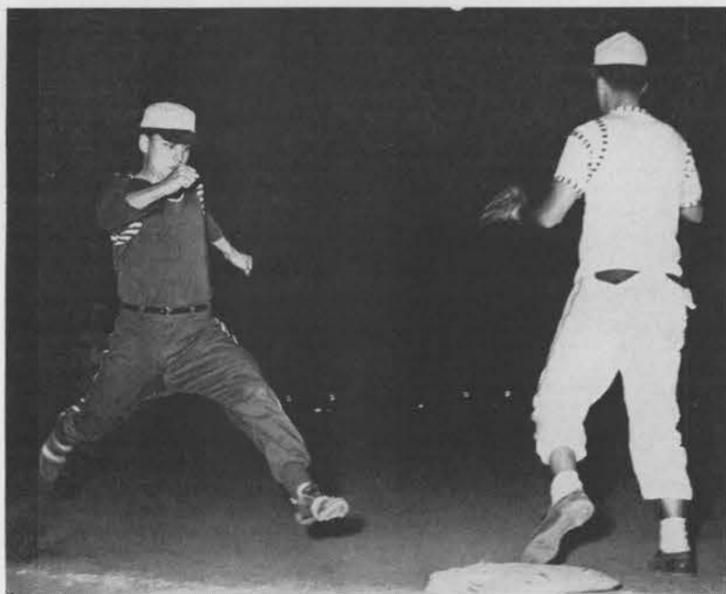


SCIENTIFIC ADVISORY COMMITTEE ON BALLISTIC MISSILES of the Department of Defense and DOD officials met at Sandia Laboratory last week. From left are Harold Agnew, John E. Jackson, Carl Haussmann, Charles C. Lauritsen, Darol K. Froman, Carl F. S.

Overhage, Harold Brown, Clark B. Millikan, J. Barkley Rosser, William B. Graham, H. Julian Allen, John Dunning, Carl A. Covington, Edwin F. Sweetser, Franklin A. Long and R. W. Henderson. Group meets every other month to review nuclear ordnance programs.



SLIDING INTO SECOND, Frank Duggin appears safe during one of the high points in the final championship all-star game between Sandia and KAFB. KAFB took the game 4-0 and emerged champs of the Annual Invitational All-Star Tournament between Sandia Laboratory Sandia Base, KAFB and Manzano Base All-Stars.



LEAPING onto first base, Dick Coleman (5521) begins long journey around during last all-star game played against KAFB. Sandia took the first encounter against Sandia Base 8-0; in the second game KAFB won 9-7; Sandia rallied to defeat Sandia Base again 3-2 and take KAFB 7-4. KAFB won the championship game 4-0.



SANDIA LAB ALL-STAR softball team is shown above. Sitting from left are Frank Duggin (4314), Ray Fisher (4252), Julian Lovato (4411), Jim Kelly (2632), Cliff Rudy (4543) and Dick Coleman (5521). Bat boy is Del Rudy. Standing are Joe Bradshaw

(1612), coach, Art Aube (1611), Clyde Hughes (4251), Cliff Taylor (4254), Ken Flynn (1264), and Vic Roh (1264), manager. Not in photo are Bob Evans (4412), coach, Carl Longerot (1432), Ron Lawwill (1312), R. Arroyo (4543), J. Costales (4153).

L. E. Snodgrass Speaks At ASQC Seminar

A talk outlining the objectives, philosophy and procedures involved in Sandia Corporation quality control activities will be presented by L. E. Snodgrass (2561) at a seminar Oct. 6-8. Title of the talk will be "A Quality Control Concept for Atomic Ordnance."

The Management Workshop Seminar sponsored by the American Society for Quality Control will be held in St. Louis, Mo. Mr. Snodgrass will also participate in the meeting as a discussion leader during the workshop sessions.

'Sandialiers' Seek Ten New Members For 'South Pacific'

The "Sandialiers," a mixed chorus group of about 40 persons, has openings for 10 new members, according to Rex Elder (1331), who leads the singers.

At present, they are rehearsing for "South Pacific," which will be presented in October. Rehearsals are held every Monday night at the American Legion — Carlisle Post.

The group sings at various Legion affairs and is sponsored by that organization.

New Heights YMCA Building To Be Opened This September

When the doors to Albuquerque's gleaming new Heights YMCA building open for regular activities in September, a group of Sandians will mark the occasion with pride.

The new 20,000-square-foot building will provide space for family recreation facilities and programs. It is located on Indian School Road near San Mateo NE.

Instrumental in helping raise funds for the building were R. W. Henderson, Vice President, Development 1000; R. B. Powell, L. J. Heilman, Director of Programming, 2600; K. A. Smith, Director of Information, Publications and Public Relations, 3400; and D. J. Jenkins, Manager, Personnel Research, Training and Education Department 3130.

With Mr. Henderson as chairman, these Sandians served with Albuquerque businessmen on a special finance committee that raised the \$260,000 for the building.

Facilities in the new building include a 25 x 75-ft. swimming pool.

Softball Teams to Close Season With Trophy Presentations

Team members of both Sandia Laboratory softball leagues will gather Friday, Aug. 26 at the Coronado Club to honor champions.

Team trophies and individual trophies will be presented by Noble Johnson, supervisor of Services and Benefits Division 3122.

Winners of the American League, 4100-4300, will receive trophies along with National League champions 3100-4200-4500.

Team 1200-I which won the Sandia tournament will receive the large traveling trophy.

The party will begin at 7:30 p.m. Contact Vic Roh (1264), ext. 27146, if you plan to attend.

Leathercraft and handcrafts will be taught in the crafts room. A social activities room is to be used for shuffleboard, ping pong, darts and dart baseball, dancing and small arms firing range. The new building has a kitchenette facility for serving refreshments.

Ken Smith is chairman of the program planning policy committee for the new YMCA building. "The Heights Branch of the Albuquerque YMCA will place high priority on establishing programs and facilities for making family participation possible," he said.

"We are very pleased," he continued, "to see the completion of the present building. A YMCA building in the Heights has been needed for a long time. The downtown YMCA building was built in 1915 to serve a population of 13,000 as compared with the 200,000 current city population."

Mr. Heilman also has served on the committee responsible for selection of furnishings for the new YMCA building. He is a member also, with Smith and Jenkins, of the Heights YMCA Board of Governors.

Mr. Henderson and Mr. Powell serve on the downtown YMCA Board of Directors.

To promote the special "open house" public preview of the new

YMCA buildings to be held in September, Mr. Smith and Mr. Jenkins are speaking at various luncheons and evening meetings of Albuquerque civic and service organizations.

They also describe satisfactions and privileges enjoyed by holders of charter memberships in the new Heights YMCA. Charter memberships are now being sold. Charter members will have a voice in the organization and management of the facility as well as helping branch operating policies. Charter members may also vote and hold office in the organization.

Members may enjoy full use of the building facilities with their families for a year beginning in September. The building will be open daily plus some evening hours.

The Heights branch will augment the long established service provided by the downtown YMCA and the South Broadway branch. Youth organizations sponsored by the YMCA include Indian Guides, Hi-Y, Tri-Hi-Y, Jr. Hi-Y, and Gra-Y.

Future plans for the new building include addition of more space. The design is adaptable to add another 13,000 sq. ft. to bring the total to 33,000.

Annual Water Carnival at Club Pool Features Events for Parents, Kids

"Bathing Beauty Contest" the poster reads in publicizing the forthcoming Coronado Club Water Carnival, but thoughts of bikinis vanish upon reading the small print "for girls 10 and under."

The contest is only one of the fun competitions to be held during the annual carnival on Sunday, Aug. 28 from noon until exhaustion.

Surplus Electronic Equipment Will Be Sold by Sandia

Seven lots of various electronic equipment are being offered for sale at the Sandia Corporation Salvage Yard. The surplus material will be sold by lots only and by sealed bids.

Sandia employees who desire to inspect the material may do so during the noon hour at the yard. Copies of the necessary forms are available at the yard and employees may deposit their bids in the bid box at the yard up to 2 p.m. on the opening date of the sale, Sept. 6.

The lots of material include capacitors and resistors, waveguide accessories, two lots of electron tubes, transistors, miscellaneous hardware and one lot of electron tube accessories.

Additional information is available from R. K. Leahy or G. W. Browning (both 4622), ext. 28164.

8230 Wins First Half of Livermore Lobball Season

Department 8230 lobball team won first place in the first half of the 1960 lobball season for Livermore Laboratory. Eight wins and no losses gave them top score for the period.

Nine teams are competing for first place honors in the final half of the season which ends Aug. 29. Winners of each half will then play a final game to determine the season championship.

Players on the high-scoring 8230 team are Ron League, team captain, Jim Mount, Jack Renaud, Hank Przystas, Howie Smyth, Darrie Bainer, Bill Lovato, Carl Wackerly, Bernie Goncher, George Yanes, Frank Cupps and Harold Baldwin.

Sandians Meet With Members of Classical League

Three Sandians participated in the seventh national convention of the Junior Classical League, which was held at the University of New Mexico Aug. 7-11.

D. B. Shuster, Director of Field Testing, 5200, spoke before the second general session on "From Mesos to Galaxies: The New Challenge of Science and Technology."

On Aug. 10 the afternoon session was devoted to 15 interest groups. Marcel Weinreich (3421-1) discussed professional opportunities in the field of foreign languages before students interested in modern and classical languages. M. L. Merritt (5130) met with the group interested in atomic science.

The convention attracted some 1300 delegates of high school age.

Jim Hann Heads Antiques Club

Albuquerque Arts and Antiques Club has elected Jim Hann (2632-2) president for the coming year.

The organization meets the first Wednesday of every month at 8 p.m. in Odium Hall in Lovelace Clinic. The club has a special speaker every month and the public is invited.

The October program will feature old clocks.

Jim and his wife have been collecting Early American furniture for the past 10 years and have many unusual cherry wood and pine articles in their home.



Sandia Service Awards

AUGUST 19, 1960

LAB NEWS

PAGE SEVEN

10 Year Pins



Jack T. Graham
3242
Aug. 7, 1950



Edward D. Sims
3242
Aug. 7, 1950



Patricia Anderson
5241
Aug. 21, 1950



Benjamin L. Armijo
4518
Aug. 21, 1950



Robert L. Stewart
3242
Aug. 21, 1950



John F. Campbell, Jr.
4411
Aug. 22, 1950



Joseph L. Maestas
2251
Aug. 22, 1950



Eileen W. Young
2250
Aug. 23, 1950



Verne C. Honeyfield
3242
Aug. 24, 1950



R. N. Carpenter
2441
Aug. 28, 1950



James E. Fesler
4152
Aug. 28, 1950



Victor W. John
4221
Aug. 28, 1950



Eden A. Raney
3242
Aug. 29, 1950



Tillet S. Daniel
5332
Aug. 30, 1950



Roy E. Brett
3242
Sept. 1, 1950



Arthur L. Cary
5212
Sept. 1, 1950



Wallace C. Eder
2644
Sept. 1, 1950



David R. Gomez
4173
Sept. 1, 1950



G. D. Horne, Sr.
4153
Sept. 1, 1950



Larry N. Lesperance
4513
Sept. 1, 1950



Billy D. Neil
4212
Sept. 1, 1950



Wilburn E. Walker
3242
Sept. 1, 1950

Five Year Pins

Aug. 20 - Sept. 2

Richard H. Berg 1423, Alice B. Robinson 1283, Barbara A. Bear 1220, Dolores N. Smith 4233, Eugene J. Foderaro 1612, Jake F. Gonzales 4254, Richard R. Petrini 4232, Joseph Suknot, Jr. 4411, Malcolm H. Woodward 1614, Orlando Vigil 4153, Joaquin A. Devargas 3452, Rudolph E. Lovato 4574, J. E. Postlethwaite 3331, Edna S. Baca 3421, Gene Lloyd 3463.

SHOPPING CENTER

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CLASSIFIED ADVERTISING

Deadline: Friday noon prior to week of publication unless changed by holiday.

RULES

1. Limit: 20 words
2. One ad per issue per person
3. Must be submitted in writing
4. Use home telephone numbers
5. For Sandia Corporation and AEC employees only
6. No commercial ads, please
7. Include name and organization.

FOR SALE

- KOOL AIR portable cooler w/stand, used one season, \$15; 24 in. 2-speed window fan, \$10. Chadwick, AX 8-1298.
- '59 HARLEY Davidson "Hummer," used 2 weeks, \$50 down, take over balance of \$299. Drake, DI 4-1113.
- '59 HAWK Studebaker V8, R&H, overdrive, WW tires, other extras, 27 mpg on highway. Gaugler, CH 3-8912 after 5:30 p.m.
- ROBERSON'S MOST spacious home, 4 1/2% GI, 3 bdr, family room, utility, living, dining, see to appreciate, let's negotiate. G. C. Oberst, AX 9-6644.
- 16' LONE STAR aluminum boat, 16 hp Elgin motor and trailer, \$599.99. Nelson, AX 9-1959.
- DINETTE SET, living room table, book-cases, desk, miscellaneous furniture, cheap. Hamilton, AX 8-6820.
- REFRIGERATOR, \$32.50, 30-06 Sporterized rifle and ammo, \$55. Blaser, AX 9-7455.
- WOODEN RANCH style table, 33" x 43", with 2 benches, ideal for dinette, \$23. Hart, AX 9-8832.
- QST '53 through '59, \$5 or \$1 a year; NRI communication course complete including transmitter, \$17.50; garage door hardware, \$3. Eagan, AL 5-6820.
- 12 V DYNAMOTOR, Bendix MP-8A, \$15. Young, AL 6-9158.
- '54 FORD V8, make offer. Martinez, AL 6-1062 after 5 p.m.
- PIANO, BALDWIN upright, \$225. Corkran, AL 5-1793.
- 3 BDR MANKIN, electric stove, refrigerator, washer, carpeting in hall, living room, balance of house partially furnished. Hopkins, 413 Mesilla NE.
- 2 GIRLS' bicycles, 20" with training wheels, 26", \$12 each. Wheeler, AL 6-6230.
- '40 PACKARD sedan six, 2-dr., heater, \$80; double pit mobil bar-b-que, \$12. Clemons, AX 9-6004.
- OAK DROP leaf table, 1/2 hp motors, mimeograph machine (needs repair), old clocks. Muehlenweg, AM 8-0316.
- KEYSTONE 1.9 movie camera, \$29; lawn chairs, 2 for \$3; Japanese reflex 3.5 w/flash and case, 12 exp.; \$37.50. Villalta, AX 9-7915.
- OAK DESK, light finish, three drawers on each side plus center drawer, \$10. Kubiak, AL 6-1513.
- '56 FORD Ranchwagon, T-bird engine, 23,500 miles, \$995. Campbell, AX 9-9195.
- 2 BDR redecorated home near University, air-conditioned, drapes, wool carpet, sprinklers, stove included, tile bath. Jones, AL 6-9078.
- 3 BDR, carpet, garage, landscaping, sprinklers, block wall. Refinancing, low down payment, immediate possession. Williams, AL 6-9727.
- WIRE RECORDER, deck, BC 312 receiver, electronic components, tubes, fishing reels and rods, best offers. Bruce, AX 9-2542.
- PHILIPPINE MAHOGANY plywood, 8' x 8', and assorted solid mahogany, \$75, lot; Rabenhorst, AX 9-3807.
- '51 FORD custom tudor sedan. Shaffer, AM 8-1123.

- '49 DODGE, fluid drive, power ring gear, \$125 or best offer. Marcrum, AL 5-3123.
- '51 HUDSON 4-dr. sedan, only \$110. Wyatt, AX 9-7287, 9925 Leyendecker Road NE.
- AIR CONDITIONER, refrigerated, window type, 1 ton, used three months, \$75. Ray, AX 8-0408.
- GRAY OVERSTUFFED chair, \$9. Cohen, AX 9-5744.
- HI-FI PHONO cartridge, Electrovoice model 84D, one mil diamond stylus, new, \$15. Bader, AX 9-9459.
- 35mm BOLSEY model C22 setomatic camera, \$40; .22 cal Beretta automatic, extra clip, holster, cleaning kit, \$35. Fine, AX 8-2484.
- '53 FORD 4-dr., R&H, OD, WSW, \$350; baby highchair, \$5; girl's bicycle, \$25; Rosenthal China, \$150. Pruitt, AX 9-7723.
- NEW BASSINET with stand, liner and Kant-wet mattress, \$7; Thayer deluxe carbed, makes into carseat, \$5. Lucas, AX 9-0165.
- PORTABLE AIR cooler, cheap. Rhodes, ext. 32266.
- GIRL'S BICYCLE, Schwinn, 26", \$18. Matlack, AL 6-7371.
- DAY BED w/slip covers & mattress, \$25; Baby bed w/mattress & pad, \$15; Buggy, \$20; Stroller, \$4; Bathing, \$2. Heitz, AX 9-5829.
- ROBERSON 3 bdr, 1 1/2 bath, paneled family room, fireplace, air conditioner, hardwood floors, garage, heated, insulated, year old. Suttin, AX 9-6805.
- SCREEN DOOR, wooden, full screen, 36 x 80 1/2, never used, \$4.50. Moore, AL 6-7177.
- MOSSMAN 4 bdr, 1 1/2 baths, den, sprinklers, back yard ideal for swimming pool, by owner. Gregory, AX 9-7472.
- '58 LINCOLN Premier, full power and factory air, 17,000 mi., \$2695; clarinet, b flat, \$75. Smith, AL 5-1186.
- '54 DODGE V8 club coupe, R&H, one owner, \$495. Mares, CH 2-5895 after 5:30 p.m.
- '57 OLDS Starfire convertible, many extras, \$1800, will consider trade. Siefken, AL 6-0473.
- '59 ENGLISH Ford (Anglia), \$995 or best offer. Kelly, CH 7-9835.
- '59 TR3 with overdrive, wire wheels, tonneau cover. Neibel, AX 9-0336 after 5 p.m. or weekends.
- "HOMEMAKER" zigzag stitch, portable sewing machine, won in contest but never used. Strasburg, AX 9-4214.
- TRANSMITTER, Globe Chief deluxe, \$55; Heath balun coils, \$6; Knight tube tester, \$30. Lathrup, AL 5-1901.
- '52 FORD TUDOR, black, w/w tires, new seat covers, best offer. Miller, AL 6-6020 after 5 p.m.
- 3 BDR, 1 1/2 bath, Parkland Circle, SE; 1 block west of Ridgecrest, 2 blocks to Bandler School, assume loan. Hunsucker, AL 5-9242.
- '55 FORD Ranchwagon, Fordomatic, \$550 or best offer; '59 Chevrolet Biscayne, powerglide positraction, \$1700 or best offer. West, AL 6-9189.
- 3 BDR HOME, 1 1/2 baths, near Sombra Del Monte, Madison, Sandia, air conditioned, GI loan or refinance. West, BU 2-3460.
- '56 PLYMOUTH Savoy, 6 cyl. 4 dr. w/OD, nothing down, take over 11 payments of \$46/mo. Wright, AM 8-6395 after 5.
- '51 RAMBLER, good mileage, excellent second car, \$175 or best offer. Schnedler, AX 9-1824.
- '57 PICKUP truck, Powell sports wagon, 20 mpg, 6 cyl., 70 mph, fishing rod tube, trailer hitch, customized on Plymouth chassis, \$450. Baxter, 1610 Bayita Lane NW, DI 4-7601.
- 2 WALL TYPE heaters, one manual and one thermostatic controlled, \$90. Martin, AL 6-6785.
- CHARTREUSE LIVING room chair, Olds Ambassador trumpet with case. Butts, AL 5-6216.
- CAPEHART TV set, 17" picture tube, recently overhauled, \$50 including aerial. Prairie, ext. 44158.

NEXT DEADLINE FOR SHOPPING CENTER ADS Friday Noon, Aug. 26

- CAR COOLER, \$8. Leonard, AX 9-4684.
- '55 CHEVROLET business coupe, \$395; 17" TV set, \$40. Murray, DI 4-5289 after 5 p.m.
- GAS RANGE with chrome top, \$125. Ortiz, CH 2-7989.
- COPPER RANGE hood, automatic blower, 42 x 20, \$30; swing set, \$10; Whirlwind, \$5; slide, \$5. Scott, AX 9-3412.
- '60 IMPALA Chevrolet, 4-speed, 348, will trade. Earnheart, AL 6-9371.
- BAND SAW, Craftsman, \$25; Naugahyde Canopy for Ford Ranchero, \$35, box for Plymouth stationwagon luggage rack, \$10. Hull, AX 9-1279.
- CUSHMAN HIGHLANDER scooter, '58 model, low mileage. Hoffent, UN 7-2400, Bernalillo, after 6 p.m.
- STENOGRAPH DICTATING machine, make offer. Langston, 6500 Cochiti Road SE.
- SUPREME GAS range w/Robertshaw oven control, and Philca refrigerator, 9 cu. ft.; \$50 each or \$95 both. De Witt, AX 9-1181.
- SWIMMING POOL, 8 ft. dia., 20" high, used 6 times, \$8 2 plastic chairs, both for \$8. Rauch, AX 9-7363.
- LIVING ROOM SUITE, sofa-bed, swivel chair, occasional chair. Laskar, AX 9-1024.
- BABY BUGGY, almost new, \$15. Silva, AL 5-3723.
- PALOMINO QUARTER horse, 3-year-old, registered, 15 hands, ivory mane and tail, some training in reining, gentle and smart. Haley, DI 4-3919.
- CAR COOLER, 6 volt, pump and fan, 2 1/2 gal. capacity, \$15. Grymkoski, AX 9-4053.
- RADIO, BEACON receiver, for boat or small plane, Signal Corps BC-1206A, 200-400 KC, "Detrola," \$7.50. Deeter, AL 5-5789.
- '53 STUDEBAKER, customized Ford motor, w/w, R&H, needs work but good car for a kid, \$250. Womack, AM 5-0278.
- '51 DE SOTO, \$150 or best offer. Fligner, AL 6-6721.
- '57 ALLSTATE Cruiseair motor scooter, \$75. Dooley, 9905 Toltec NE, AX 9-4875.
- ELECTRIC RANGE, Westinghouse, standard size, \$50; Kenmore vacuum cleaner, \$15. Rutherford, AX 9-2420.
- GO-CART, 2 1/2 hp, \$115; 16 cu. ft. freezer, \$225; model 67 boy's rifle, \$12; '51 Plymouth sedan, \$100. Reynolds, AX 9-0709.
- VESPA motor scooter; '52 Hudson Hornet; '53 Buick V8 Convertible; '55 Packard, 4-dr.; 3 bdr Princess Jeanne brick. Tanner, 704 Claudine NE.
- 3 BDR home, large, down payment can be arranged. Essard, ext. 36181.
- POWER MOWER, Sears, Briggs & Stratton motor, 18" reel type. Van De Velde, ext. 37147.
- TWO AQUARIUMS, fish, plants, glass, filters, pump, heater, 15 gal., \$15; 10 gal. w/stand, hood, \$30. Botsford, AL 6-4661.
- SPRINKLER PIPE, plastic, 50', 3/4", suitable for threading, \$4. Sundberg, AX 9-2177.
- 3 BDR MANKIN, sprinklers, patio, window landscaped, 4 1/2% GI, \$12,000, \$1200 down; \$350 down if bought FHA. Roller, AX 9-4661.
- OUTBOARD MOTOR, 3 1/2 hp, Atwater, \$37.50. Kutzley, AL 5-3572.
- AIR CONDITIONER, 1 ton, refrigerated, easy installation, no special wiring needed, \$75. Ray, AX 8-0408.
- ENGLISH BICYCLES, 26", 3-speed, boy's, \$25, girl's, \$20. Hughey, AL 6-6233.
- '58 ENGLISH Ford, 4-cyl, R&H, make offer. Winbold, DI 4-3109.

- '58 OLDSMOBILE 88, 4-dr., Hydramatic, R&H, whitewalls. Kelly, AM 8-8913 evenings.
- "TOTE-GOTE" two-wheeled scooter, low mileage, \$270. Kingsley, AX 9-1226.
- OVERHEAD GARAGE doors w/hardware, make offer; 10 to 30 acres mountain land, sell all or in 10 acre pieces. Finley, AX 9-0739.
- DOG HOUSE, 24" in long by 24" high, 30" wide, \$5. Bach, DI 4-7624.
- SERVEL REFRIGERATOR, gas, approx. 10 cu. ft., \$50. Brooks, AX 9-3217.
- '31 MODEL A pickup, \$175. Pritchard, DI 4-3984.
- CAFE TYPE dishes, heavy, durable, service for 6 plus extras, \$15. Norwood, AL 5-4639.
- ENGLANDER DOUBLE rollaway folding bed, mattress, \$25; Craftsman single brush floor polisher, \$12. Rayner, AM 8-1705.
- RUGER MKI pistol, muzzle, brake, two magazines, \$50; trade for double or pump 12 ga. shotgun. Ivey, AX 9-3635.
- RANCH OAK twin bed, \$30. Hayes, AM 8-1596.
- SEARS TOWER 4.5 enlarger, complete darkroom equipment including trays, ferro tins, developing tank, roller holders, easel, \$40. Puder, AX 9-2978.
- '58 EDSEL Village station wagon, \$1350; sale or trade 10' wide, 55' long Camaco house trailer, 2 bdr, furniture, washer. Potts, AM 8-1663.
- DODGE car radio model '51-'52, push button with speaker, \$13. Vinovich, AX 9-1979 after 5 p.m.
- NORGE WRINGER type washer, two portable galvanized tubs, \$25. Martin, AL 6-6785.
- BROWN JUG picnic icebox, \$8; Sunbeam scrubbing waxing machine, nearly new, \$25. Weidman, CH 2-5006.
- 3 BDR, 1 1/2 baths, covered patio, air conditioning, dishwasher, disposal, landscaped, sprinklers front and rear, FHA loan value \$14,400. Sublett, AL 5-0660.
- ENFIELD 30.06 completely sporterized w/4x to 9x variable power scope, \$120; Kalimar 35 mm camera, \$25. Connolly, AL 6-3275 after 5 p.m.
- COPPER SCREEN, 100'; boy's bike; poker table; two complete trains; GE mixer-master; double barrel shotgun; storage cabinet. Otero, AL 6-6597.
- HOTPOINT ELECTRIC cooking unit, 4 burner cabinet top. Wilson, BU 3-2225.
- '59 LAMBRETTA scooter, \$250. Thomas, CH 3-0529.
- BEDROOM SET, blond, \$100. Lindsey, AX 8-0818.
- '51 CHEVROLET pickup, 4-seed transmission, deluxe cab, \$365. Komen, AX 9-8881.
- STAUFFER COUCH and accessories, reasonable, see after 5 p.m. weekdays and all day weekends. Gay, AX 9-5625.
- 3 BDR Princess Jeanne, \$500 down, 4 1/2% G.I. loan, total \$13,900, family room, all major appliances, walled yard. Sutton, AX 9-0384.
- BENDIX AUTOMATIC washer, new motor, \$50. Brady, AX 9-6037.
- ELECTRIC RANGE, \$50; automatic washer, \$25, free delivery. Nielsen, AL 5-2045.
- '50 JAMES Motorcycle, \$75. Pierce, 4412 Delamar NE, DI 4-3613.
- KENMORE IRONER, Olson, AM 8-5312.
- '54 FORD Crestline V-8, \$400. Benjamin, ext. 25246.
- DINETTE SET, formica, black, white and beige, \$20. Selph, AX 9-6833.
- EXECUTIVE CHAIR, swivel seat w/casters, leatherette, metal frame, will sell cheap. Smith, CH 3-5054.
- CRAFTSMAN ELECTRIC handsaw, 5 1/2", \$17.50; bench model drill press, \$75; Hollywood bed frame, \$5. Pliner, AL 6-1907.
- GERMAN SHEPHERD pups, black and silver, AKC registered, \$50. West, AX 9-6775.
- FRENCH DOORS, pair 5' x 6'8" w/screens and hardware, \$40. Puccini, 933 Madison NE, AL 5-0568.
- '50 CHEVROLET, powerglide, rebuilt motor, \$80. Blaser, 1116 June NE, AX 9-7455.

WANTED

- HOMES FOR KITTENS. Spooky's specials, 2 black and white, blue-gray, tiger, black, all black, all guaranteed males, free. Bode, AM 8-2157.
- HOMES FOR KITTENS, tiger stripe, gray, 7 weeks old, female, free. Edgar, AL 5-9070.
- ACCORDION, 120 bass. Marcuso, AX 9-4279 after 5.
- HOME FOR KITTENS, Toy Terrier, friendly, lovable, four months old, female, housebroken. Jackson, AL 5-4125.
- GIRL'S BICYCLE, 16 inch, pneumatic tires, coaster brake. Moritz, AL 6-2362.
- CHILD CARE, baby or small child, my home or yours, responsible, reasonable price. Matlack, AL 6-7371.
- HOMES FOR KITTENS. When school starts take one of Calico Kate's 21st litter. As usual, housebroken personalities, references available. Johnson, AL 5-8851.
- HOMES FOR KITTENS, again. No charge, free delivery, these are unusually marked. Tatum, CH 2-9021.
- RIDERS to San Francisco leaving Aug. 25. Anderson, AL 6-9383 evenings.
- WOMAN RIDER to Tennessee starting Aug. 25, share driving and gas. Elizabeth Chappel, AX 9-6246 nights.
- TO JOIN car pool in vicinity of 513 Aztec NW. Lopez, DI 4-6975.
- TO SHARE RIDE from Nob Hill area. Wambold, AM 8-0275.
- USED WRINGER-TYPE washing machine in good condition, reasonable. Donaldson, BU 2-3175.
- CHILD CARE in my home. Earnheart, AL 6-9371.
- JEEP, 2-wheel drive, good condition. Johnson, AL 5-5427.

LOST AND FOUND

- LOST—Bone penknife, brown leather key case, pink drop earring, keys on chain w/disc screw driver, ruby and gold Knights of Columbus ring, brown glasses case. LOST AND FOUND, ext. 26149.
- FOUND—Sunglasses left at Tech Library, GM key on ring, retractable penknife. LOST AND FOUND, Ext. 26149.

FOR RENT

- 2 BDR APT., large, modern electric kitchen, convenient location, hardwood floors, air conditioning, yard space, reasonable. Grant, AM 8-5730.
- TWO ROOMS available for girls to share home with working girl, private bath, swimming pool, air conditioned, NE Heights. Miller, AX 9-1677.
- 2 BRM Duplex, refrigerator, stove and air conditioning. Beckes, AM 8-8055, 416 Kentucky SE.
- 2 ROOM furnished apartment, water and garbage paid. Glory, CH 7-3145.

LIVERMORE FOR SALE

- TOLLYCRAFT CRUISER, 18-ft., fiberglass covered wood hull '59 Mercury '78" motor, bronze prop, canopy, built-in bunks, trailer, \$2,500. Lenz, Ext. 2455.
- AIRCRAFT TRANSCIEVER, GE AS1B, for light plane, 12V power supply, mounting case, loading coil, 3023.5 kc crystal, \$45. Myers, HI 7-3973.
- SEARS RUNABOUT, 14-foot, plywood, glassed seams, remote steering, windshield, speedometer, 3023.5 kc crystal, \$45. Myers, HI 7-3973.
- '53 CHEVROLET, Bel-Air, 2-dr., standard transmission, R&H. Briggs, HI 7-0699.
- PORTABLE DISHWASHER, '59 Kenmore, \$75; Shetland pony, one-year-old May 25th, brown and white, \$300. Ayen, HI 7-3834.
- VANITY DRESSER, blond, \$45; Hollywood double bed, \$35; desk, glass top, blond, \$45; Kenmore automatic dryer, electric, \$100. Hilgers, Ext. 2253.

LIVERMORE WANTED

- HOMES FOR KITTENS, all males, two black and white, one tiger-colored with white face, seven weeks old, house broken to box. Hunter, Ext. 2269.

Sandia's Storekeepers Keep Tab on Thousands of Items

A family with 300 different items in kitchen cupboards and drawers can well appreciate the task of keeping track of nearly 12,000 different items on the shelves. They can also understand the problems of estimating usage and knowing in advance when to re-order.

Such is the job of General Stores Division 4613, U. M. Karpen, supervisor. The division is comprised of 38 persons divided between Stock Control Section 4613-1, headed by J. L. Miller, and Warehouse and Issue Section 4613-2, with F. H. Vishaway, supervisor.

General Stores orders and stocks on a regular basis items of general and continuing use. The inventory investment is approximately \$1,000,000 and throughout the year about \$2,500,000 worth of items are received and delivered to the "customer." Generally speaking the "customer" is every person at Sandia Laboratory.

Livermore Laboratory has its own general stores organization and does its own ordering, but stock numbers are assigned from Sandia Laboratory and are the same for identical items.

Electronics supplies make up 36 per cent of the total items stocked and include connectors, resistors, tubes, wires, transformers, capacitors, relays and switches. Nearly a quarter of the items stocked are classed as hardware. Other general listings are stationery, photo and reproduction supplies, printed forms (both SC and AEC), maintenance material such as electrical, mechanical, plumbing, refrigeration and building materials, and operational spares—items required for maintenance of Sandia Corporation facilities on a stand-by basis and therefore not intended for general use.

The items are stored in 30,000 sq. ft. of indoor space and 40,000 sq. ft. of outdoor space. The storage rooms are located in Bldgs. 887, 885, 886, 894 and two buildings for inflammable storage.

Despite the large number of items stocked, there is always a demand for new articles. SCI 6203 explains the procedure to be followed by any organization in requesting General Stores to carry a new item.

Upon receiving the request, one of the stock analysts in Section 4613-1 outlines specifications and other pertinent data needed by Purchasing organization for ordering the item. This activity requires coordination with the re-

A. C. Bustamante to Receive MS Degree

A. C. Bustamante (5141) completes work for his M.S. degree in mechanical engineering from New Mexico State University on Aug. 6 and will receive his degree next year.

He attended night classes at U.C.L.A. and New Mexico State University while employed by Douglas Aircraft Company and finished his degree requirements at the University of New Mexico the past year while employed by Sandia Corporation.

A B. S. degree in aeronautical engineering was awarded him at the University of Notre Dame in 1956.



INFORMAL CONFERENCE regarding revision in stock ordering catalogue is held by (l to r) Shirley Meloche, typist compositor, J. L. Miller, supervisor of Stock Control Section, and B. F. Fuller.



NORTH END OF WAREHOUSE area in Bldg. 887 provides shelving and storage space for bulky items. R. L. Rutledge needs ladder to check stock. At far end Gilbert Ramirez (left) and B. A. Coleman (all 4613-2) are restocking plywood. Inventory is checked regularly.

questing organization and often use of a number of supplier catalogues.

After the material is received the Stores Section is responsible for maintaining the stock and controlling the issue of the item for the customer organization.

Demand for the item in comparison with quantity of the stock ordered is reviewed constantly by the division. Ordering and stock control activity is processed automatically by Electronic Data Processing Department 3450 through the use of the IBM 705 computer.

Promotions

Joseph C. Trembl (8225) to Stockkeeper
Daniel E. Dewhirst (8223) to Inspector
Leopold F. Daniel (8223) to Technician
Ronald A. Johnson (8232) to Document Clerk
John W. Carroll (4123) to Senior Auditor
Roger M. Campbell (5243) to Staff Assistant
Sandra M. Jeffus (5243) to Staff Assistant
Leroy W. Paulson (5243) to Staff Assistant
Alice Tudor Marks (3463) to Staff Assistant
Delores A. Oard (3463) to Staff Assistant
Robert W. Jackson (8223) to Machinist
Biruta J. Balanda (8212) to Typist
Robbie J. Myers (8212) to Secretarial Typist
Nancy A. Imlig (8212) to Service Clerk
Elaine L. Clough (8212) to Secretary
Mary A. Clay (8231) to Service Clerk
George Yanes, Jr. (8121) to Laboratory Assistant

Supervisory Lateral Transfers
D. S. Bliss from 1624 to 2716
S. Johannessen from 2563-1 to 2716-3
E. Johnson from 1624-2 to 2716-2
L. M. Larsen from 1624-1 to 2716-1
G. L. Morrisroe from 5541 to 2634
A. V. Luhrs from 2562-1 to 2563-3
C. E. Foster from 2565 to 2531
E. P. Quigley from 2562-4 to 2564-1
R. A. Kavet from 2534-2 and 2534-3 to 2531-2
L. H. Stradford from 2565-1 to 2533-2
J. O. Davis from 2534-1 to 2534-2
F. L. McFarling from 2533-2 to 2534-1
W. T. Price from 2542 to 2541
D. W. Ballard from 2541 to 2564
W. F. Spinnett from 2531-2 to 2563-1
C. M. Gabriel from 2531 to 2542
G. O. Hawley from 2563-3 to 2561-3
J. W. McDowell from 2561-3 to 2563-2
J. M. Winter from 4518-1 to 4512-1
E. White from 1612-1 to 1615-4
H. P. Wheeler from 1613-2 to 1612-1
M. McWhirter from 1615-3 to 1613-2
M. C. Jones from 2752-1 to 2751-3

ment 3450 through the use of the IBM 705 computer.

Section 4613-1 is also responsible for maintaining catalogues used by employees in ordering stationery, electronics, maintenance stock and hardware. Some of these are revised annually, others such as maintenance stock are changed less frequently.

At the present time the format is being changed to allow for insertion of loose leaf pages when there are revisions in the catalogues.

Sandia Wins Trophy Despite Stork Stealing Starring Golfer

Sandia golfers gained temporary possession of the Sandia-Los Alamos trophy when they defeated "Hill" golfers 52-38 in a match played at Los Altos recently. A rematch is scheduled at Los Alamos on Sept. 17 to determine who will retain the trophy for the year.

Among the players who won points for Sandia was Ed Willett (4321). Ed was playing the best game of his golfing career and came in with a 35 on the first nine. He won one point for his team, but he'll never know if he could have won two more. Before he teed off on the second nine, he was called home to take his wife to the hospital. A bouncing baby golfer was presented to him later that evening.



BINS FOR ELECTRONICS supplies occupy large portion of General Stores warehouse area. Each item is listed by number and replenished as used. Division Supervisor U. M. Karpen (left) and Sesario Cordova are checking one item. Items stocked number 12,000.

Employees at Livermore Planning Picnic at Pleasanton Fairgrounds

The first annual Sandia employee picnic for Livermore Laboratory will be held Aug. 27 at the Pleasanton Fairgrounds.

The picnic was arranged by a newly-formed social arrangement committee called the Thunderbird Mixers. The group consists of 15 members who work with Employee Services (8212-2) to coordinate social activities for Sandia employees and their families.

Picnicking will begin at 10 a.m. with games and prizes planned for the afternoon. Tickets are 50 cents per family which includes a chance on the door prize, as well as participation in activities. Everyone will be responsible for his own food and refreshments.

Tickets may be obtained from the committee members or from Phyllis Bell (8112-3), Bldg. 913; John Rogers (8225-3), Bldg. 914; Helen Bond (8224-2), Bldg. 916; Dorothy Wiemken (8212-3) and Harold Faldkner (8114-4), Bldg. 912.

Two Climbs Planned By Mountain Club Members in August

A practice climb in the Sandias and a high altitude climb are scheduled for New Mexico Mountain Club members and guests during the coming two weekends.

Saturday, Aug. 20, there will be instruction in technical rock climbing for beginners and advanced climbers.

On Sunday, Aug. 28, George Bouchard (1632) will lead a trip to Lake Peak, which rises above 12,000 ft. near Santa Fe ski area. The summit offers an excellent view of the surrounding valleys and mountains.

Both trips start from Nob Hill at 7 a.m.

Members of the committee are Roy Wilcox (8114-1), Alyce Lovell (8114-3), James Trantham (8114-2), Robert Bray (9114-4), Marilyn Larson (8232-3), Ray Gillette (8114-1), Irv Ellicott (8114-4), Fred Darugh (8152-2), Jack Bonetti (8212-2), Tom Brumleve (8141-2), Mel Terrell (8114-4), Cliff Erickson (8114-2), Laverne Baum (8114-4), Richard Shimada (8114-3) and Chad Shanabarger (8114-4).

Alumni of City College Of San Francisco Meet At Livermore Laboratory

Thirteen Sandians attended an informal dinner for graduates of the City College of San Francisco held recently in Livermore.

All alumni had graduated within five years of each other, and had studied in technical fields. The dinner was the first get-together for the group and hope was expressed to make it an annual event. A possibility of a barbeque activity which would include families was discussed.

Arrangements were made by Dave Dickie (8121-2), who was assisted by Dick Sites (8164-1).

Other Sandians present were J. A. Duggar (8114-3), R. L. Puckett (8114-3), T. T. Reinke (8121-2), R. B. Clement (8114-1), A. E. Conti (8153-2), D. M. Abrahams (8121-3), J. W. Dickie (8114-1), E. E. Smith (8152-2), A. Latour (8114-4) and D. M. Pierce (8114-3). Jim Schom (8114), also present, is a summer hire in the Drafting Department and is a full-time instructor at City College.

Sandia's Safety Record

<p>Sandia Laboratory HAS WORKED 14,215,000 MAN HOURS OR 397 DAYS WITHOUT A DISABLING INJURY</p>	<p>Livermore Laboratory HAS WORKED 3,589,000 MAN HOURS OR 1,643 DAYS WITHOUT A DISABLING INJURY</p>
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